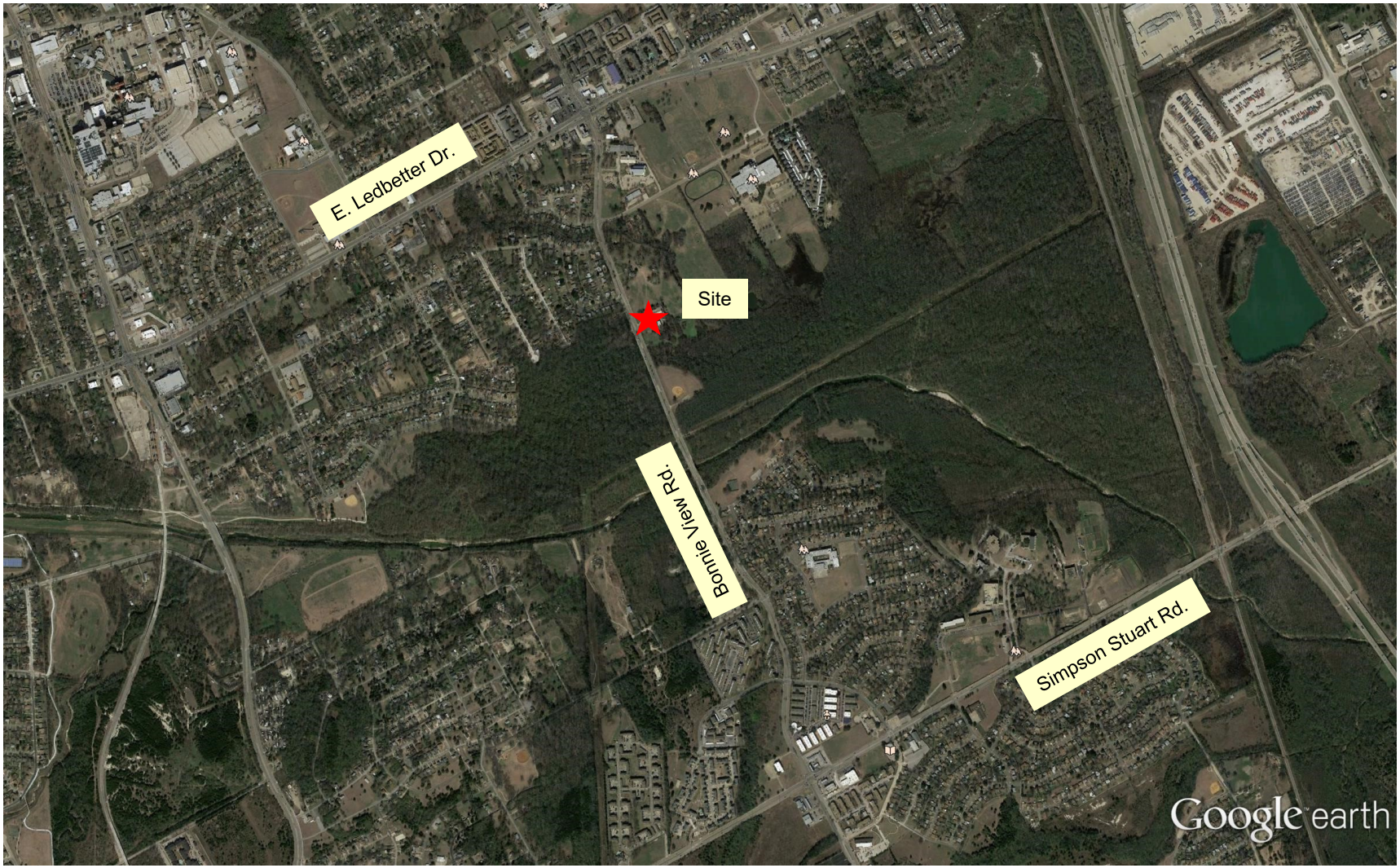
Lane Plating Works Superfund Site

Community Meeting
November 13, 2018

U.S. EPA Region 6

Site Location



Location and History

- Located at 5322 Bonnie View Road in Dallas, Texas Between Ledbetter Drive and Simpson Stuart Road immediately north of College Park
- Operated as an electroplating facility for approximately 90 years.
- Primary activities
  - Hard Chromium Plating
  - Cadmium Plating
- Other activities

  Black Oxide Coating, Electroless Nickel Plating

  Machining/Grinding, & Lead Melting Pot for Anode Repair.

Recent Site History

- Late 2015 – TCEQ noted the Lane Plating facility had ceased operations and closed
- Dec. 2015 – Lane Plating filed for bankruptcy
- Late Dec. 2015 – TCEQ conducted a limited removal action
  - Lab-packed select chemicals in the facility lab
  - Pumped waste from two on-site sumps (~8,000 gals)
  - Secured the facility
- Jan. 2016 – TCEQ Referred the site to EPA

Site Property

INTERAGENCY PARTICIPATION AND SUPPORT

- U. S. Environmental Protection Agency (EPA)
- EA Engineering
- City of Dallas
- Texas Commission on Environmental Quality (TCEQ)
- Texas Department of State Health Services (TDSHS)

Facility Buildings

Office Building

Hazardous Waste Treatment Bldg.

Electroplating Facility/Thinner Area

Daily Operations at the Lane Plating Works Facility

Removal Assessment

- Site reconnaissance completed on March 23, 2016
- Field activities conducted April 12-13, 2016
  - Liquid waste sampling
  - Soil sampling
- Sample results
  - Liquid wastes are characteristically hazardous
  - Soils are contaminated predominantly with hex chrome, lead, and mercury above EPA Risk Screening Levels (RSLs)

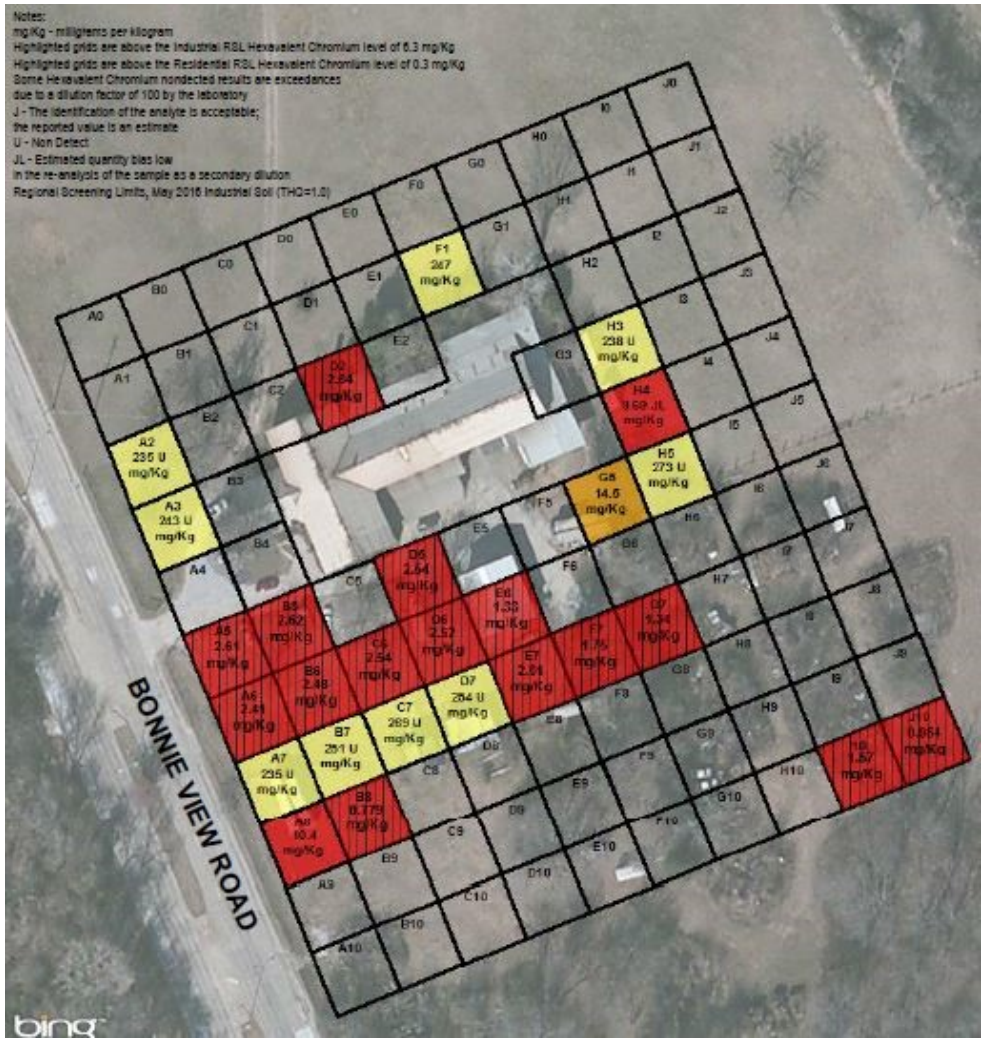
Soil Sampling

- Soil sampling conducted:
  - April 12 – 13, 2016 (initial Removal Assessment)
  - Sept. 19 – 23, 2016 (in conjunction with the Removal Action)

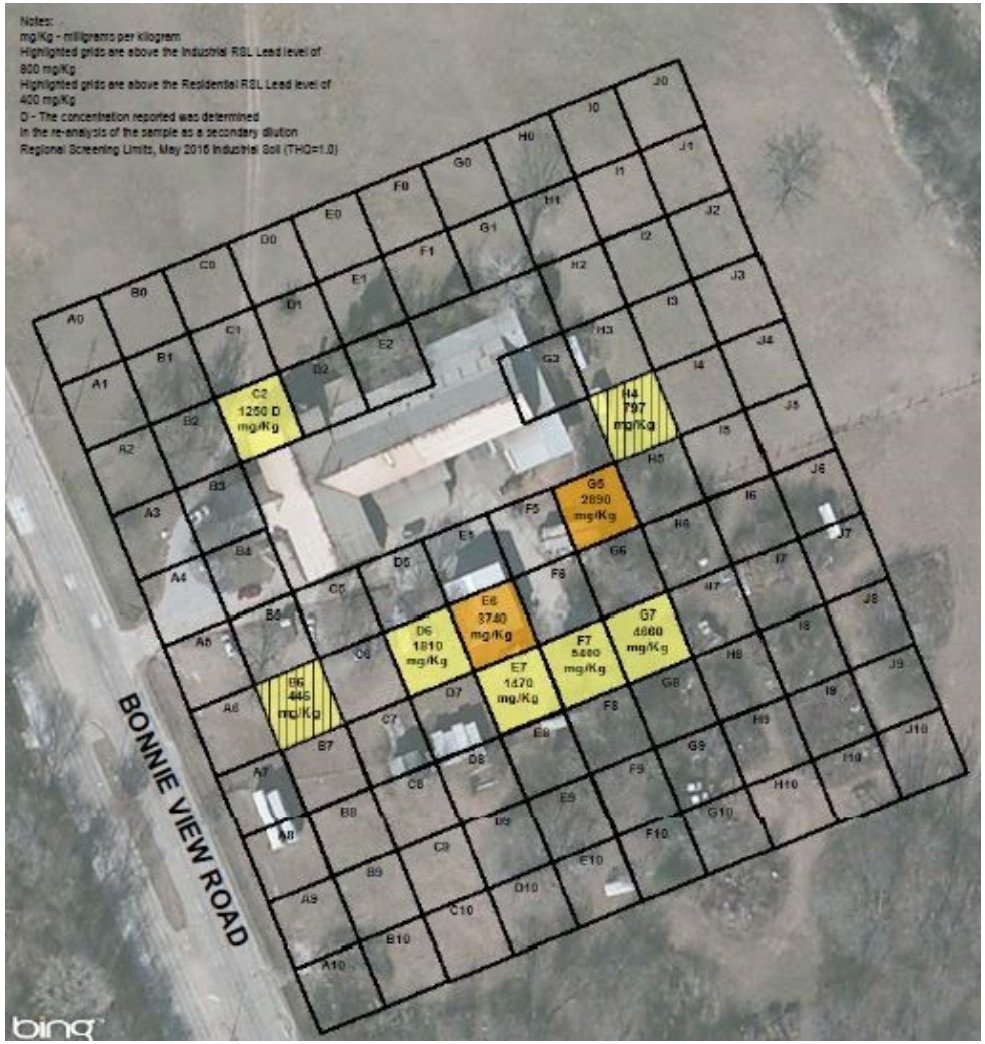
- Most common metals detected associated with Lane Plating operations:
  - Hexavalent chromium
  - Lead
  - Mercury

Soil Sampling Grid

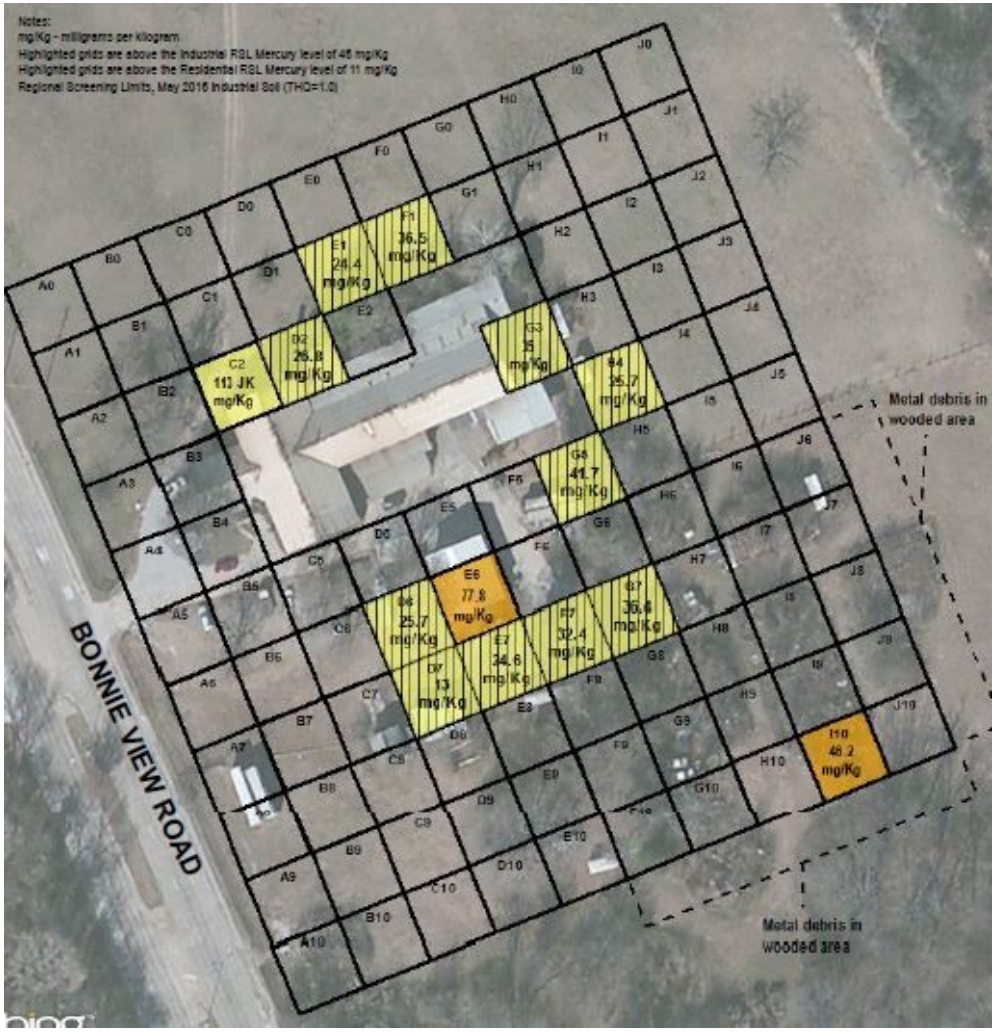
Soil Sampling – Hex Chrome



Soil Sampling – Lead



Soil Sampling – Mercury



Current Site Pictures

Current Site Pictures

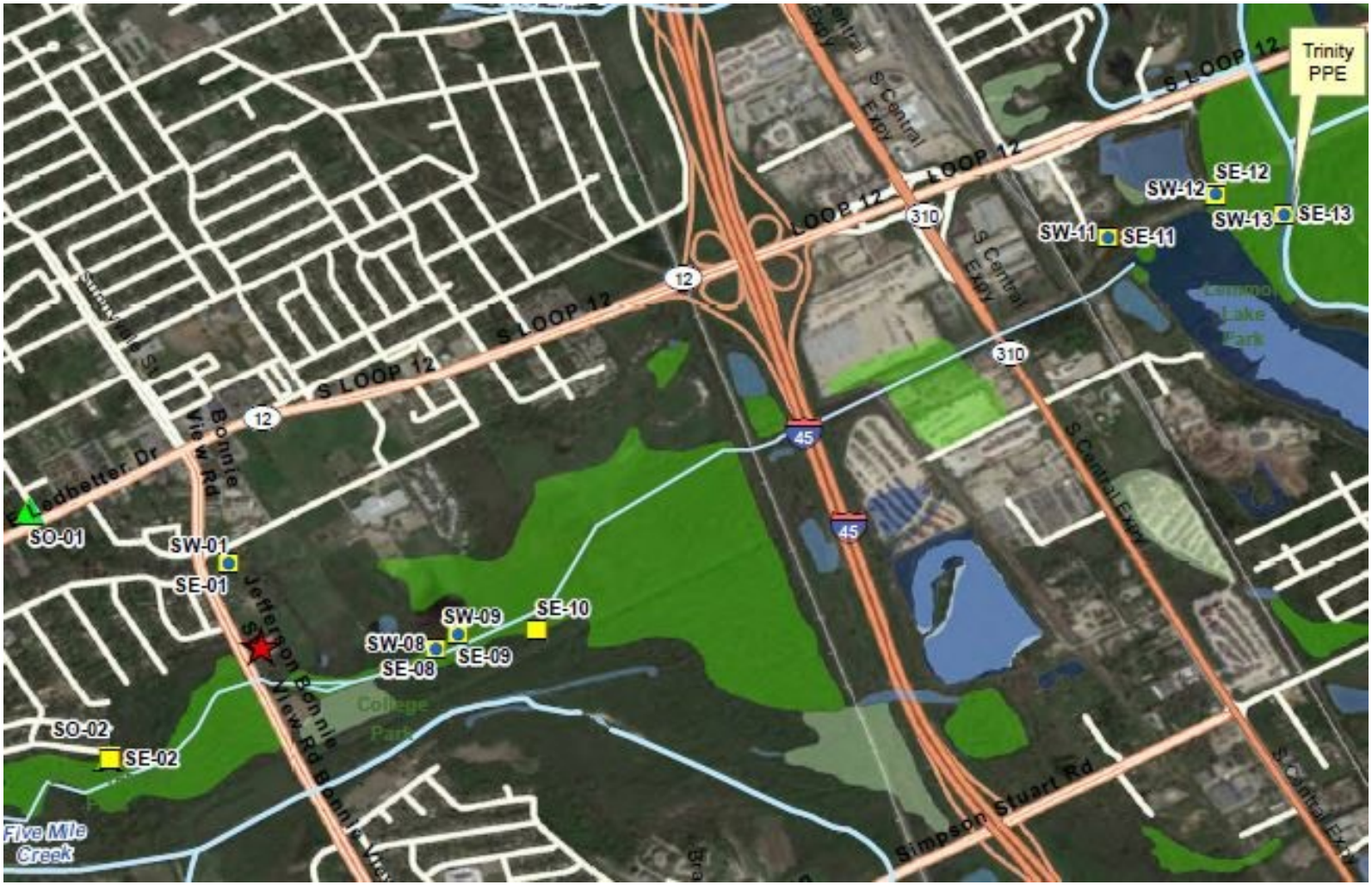
Site Inspection

- Site Visit/Field Reconnaissance conducted on
- July 18-21, 2018

- Field Activities completed from July 18-21
  - Soil
  - Surface Water
  - Sediment

Site Investigation Sampling Map

Site Investigation Sampling Map



Exposure Pathway

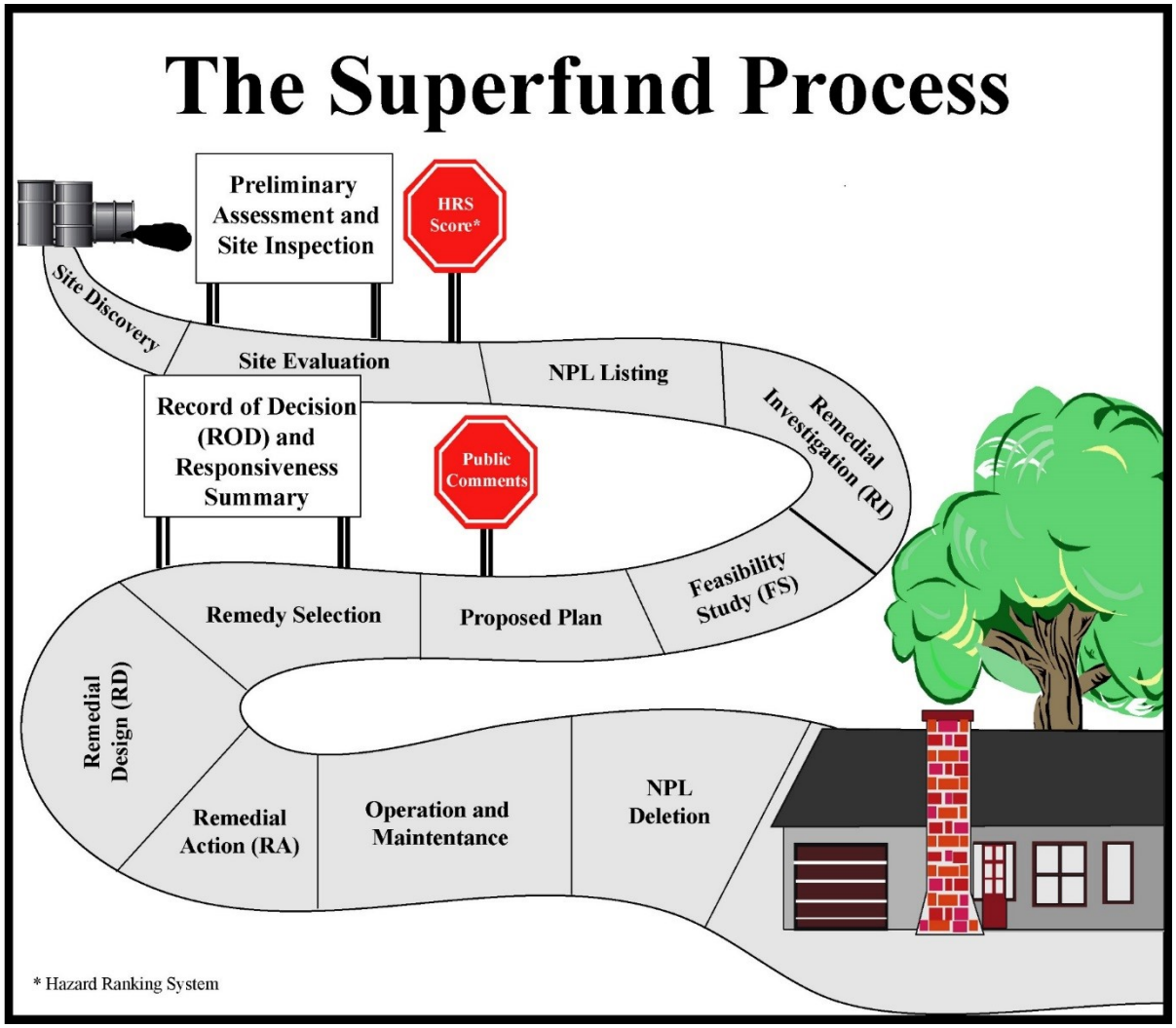
- Site Inspection evaluated the Surface Water Pathway

- Eco-receptors include:
  - Wetlands
  - County preserves containing wetlands (Joppa Preserve/Lemon Lake Park)
  - Endangered/threatened species

Current Status

- The Hazard Ranking System (HRS) is used to evaluate site for NPL eligibility:
  - The HRS is a numerically based scoring system or model
  - The HRS is a screening tool and not a risk assessment
  - The HRS score is the primary criterion EPA uses to determine whether a site should be placed on the NPL. Site must score 28.5 or greater on the HRS
  - The Lane Plating Superfund Site had a HRS score of 50 out of 100.
- The Site was listed on the National Priorities List (NPL) on May 17, 2018

Superfund Process



REMEDIAL INVESTIGATION

- The remedial investigation serves as the mechanism for collecting data to:
  - characterize site conditions,
  - determine the nature of the waste,
  - assess risk to human health and the environment.

FEASIBILITY STUDY

- The feasibility study evaluates the cost and performance of technologies that could be used to clean up the site.

- EPA RI/FS Website: https://www.epa.gov/superfund/superfund-remedial-investigationfeasibility-study-site-characterization

PATH FORWARD

- Remedial Investigation/Feasibility Study activities (~2-4 years).
- Site Contacts:
  - Stephen Pereira, Superfund RPM, 214.665.3137, pereira.stephen@epa.gov
  - Brenda Cook NPL Coord 214.665.7436, cook.brenda@epa.gov
  - Kenneth Shewmake Risk Assessor, 214.665-3198., shewmake.Kenneth@epa.gov
  - Edward Meekel: Community Involvement Coord., 214.665.2252, meekel.edward@epa.gov

EPA Region 6 Superfund Hotline

800-533-3508

Questions